

Name: _____

Period: _____ Table: _____

/ 10

The Nuclide Symbol of an atom is given.

a) Identify the Number of Protons, Neutrons and Electrons in the spaces provided

b) Write the Electron Configuration

c) Add the electrons to the Bohr Diagram

Nuclide
Symbol

a) p^+ , n^0 & e^-

c) Bohr Diagram

1.

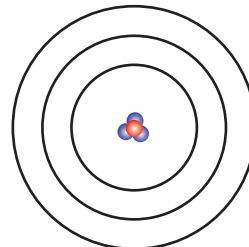
${}^3_1\text{H}$

_____ # of protons

_____ # of neutrons

_____ # of electrons

b) Electron Configuration: 1s



2.

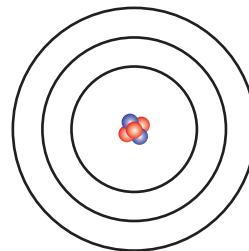
${}^{10}_4\text{Be}$

_____ # of protons

_____ # of neutrons

_____ # of electrons

b) Electron Configuration: 1s



3.

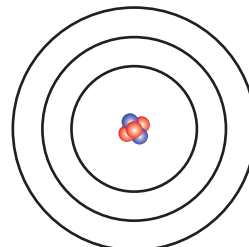
${}^{11}_5\text{B}$

_____ # of protons

_____ # of neutrons

_____ # of electrons

b) Electron Configuration: 1s



4.

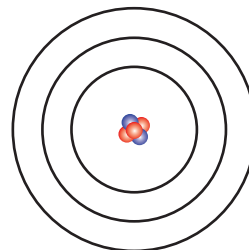
${}^{14}_6\text{C}$

_____ # of protons

_____ # of neutrons

_____ # of electrons

b) Electron Configuration: 1s



5.

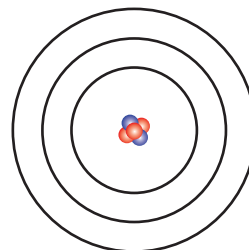
${}^{20}_9\text{F}$

_____ # of protons

_____ # of neutrons

_____ # of electrons

b) Electron Configuration: 1s



Nuclide
Symbol

a) p^+ , n^0 & e^-

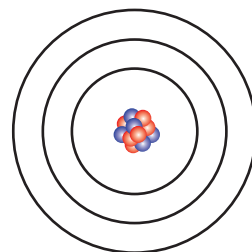
c) Bohr Diagram

6.

²⁴₁₂**Mg**

_____ # of protons
_____ # of neutrons
_____ # of electrons

b) Electron Configuration: 1s

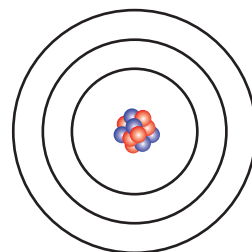


7.

³²₁₅**P**

_____ # of protons
_____ # of neutrons
_____ # of electrons

b) Electron Configuration: 1s

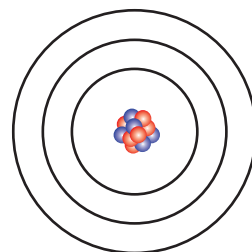


8.

⁴⁰₁₈**Ar**

_____ # of protons
_____ # of neutrons
_____ # of electrons

b) Electron Configuration: 1s

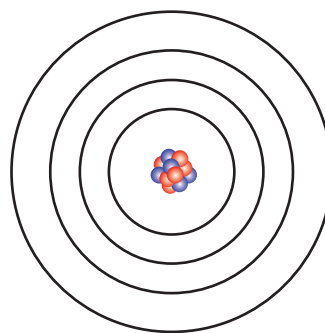


9.

³⁹₁₉**K**

_____ # of protons
_____ # of neutrons
_____ # of electrons

b) Electron Configuration: 1s



10.

⁴⁰₂₀**Ca**

_____ # of protons
_____ # of neutrons
_____ # of electrons

b) Electron Configuration: 1s

